

1 Q And no fax was sent from the Bergen County  
2 Emergency Office to WJUX authorizing use of the microwave?

3 A Absolutely no.

4 MR. HELMICK: Thank you.

5 JUDGE STEINBERG: Mr. Aronowitz?

6 RECROSS-EXAMINATION

7 BY MR. ARONOWITZ;

8 Q Mr. Turro, you said you disconnected the strobe  
9 light because it was malfunctioning?

10 A Yes, sir.

11 Q Could you give us an example of its malfunction?

12 A I don't have a 56 kilobyte circuit here to do  
13 that, but what I do have for you, Mr. Aronowitz, and what  
14 Mr. Naftalin has filed is letters from the manufacturer of  
15 that particular unit stating that such problem does exist  
16 and does occur randomly over long periods of time.

17 Q So that the strobe light would randomly go off; is  
18 that correct?

19 A Exactly.

20 Q Okay. So that the strobe light, and I'm not even  
21 ceratin what Mr. Naftalin asked, but I think Mr. Naftalin  
22 was trying to ask were there situations that in a  
23 malfunction the light -- were there --

24 MR. ARONOWITZ: Nobody asked, and this is part of  
25 the problem, Your Honor.

1 JUDGE STEINBERG: Okay, what Mr. Naftalin asked  
2 was basically, and I'm paraphrasing, was you had on the 56  
3 kb circuit from Dumont for the TC-8, connecting the TC-8  
4 from Dumont and Monticello. Part of that circuit was remote  
5 control data, and I think what Mr. Naftalin asked was did  
6 there have to be a problem in the data circuit, the data  
7 portion of the circuit before the strobe light would flash.

8 And the answer was yes.

9 MR. ARONOWITZ: Okay.

10 BY MR. ARONOWITZ;

11 Q And I believe I asked earlier if in its  
12 malfunctioning were there occasions when the strobe light  
13 would go off without any impairment --

14 JUDGE STEINBERG: Without --

15 BY MR. ARONOWITZ;

16 Q -- of the 56 kb circuit, and I believe the answer  
17 was yes; is that correct? Wasn't that part of the  
18 malfunctioning?

19 A I'm sorry. I don't understand the question.

20 Q Let me ask you -- let me ask what I think I asked  
21 in the first place --

22 A Okay.

23 Q -- because I am so confused.

24 JUDGE STEINBERG: Well, I can understand it  
25 because I thought that -- I had the same -- it appears to me

1 to be a conflict in the record because when you were  
2 questioning, what I remember hearing was that there did not  
3 have to be a problem in the data circuit before the strobe  
4 light went off. The strobe light could go off all by itself  
5 on its own.

6 MR. ARONOWITZ: And that was, in fact, a  
7 malfunction.

8 JUDGE STEINBERG: Well, you have --

9 BY MR. ARONOWITZ;

10 Q All right, it could go off on its own, and did  
11 that cause you --

12 JUDGE STEINBERG: Wait, that's what I thought I  
13 heard.

14 MR. ARONOWITZ: That's what I thought I heard.

15 JUDGE STEINBERG: Okay. So let me ask Mr. Turro.  
16 So you heard it and I heard it, so that we are both not  
17 crazy.

18 MR. ARONOWITZ: That's helpful. That's why I  
19 asked.

20 JUDGE STEINBERG: That should put you -- give you  
21 a little bit of calming effect.

22 The way I thought I heard it was that the strobe  
23 light could go off -- I don't want to use the word  
24 "randomly," -- but at times when there was no problem with  
25 the telemetry.

1 Did you mean to say that -- yes, if you did say  
2 it, and only the transcript could tell us that, did you mean  
3 to say it that way?

4 THE WITNESS: Even I'm getting confused now.

5 The only time that the light would -- I'm sorry.  
6 I'm sorry.

7 JUDGE STEINBERG: That's okay. You talk to either  
8 one of us.

9 THE WITNESS: The only time that the -- the way  
10 that this was wired and configured, Your Honor, is only when  
11 you lost that green part there that says "remote control  
12 data to WJUX" on Chart 1. When you lost that green piece,  
13 the light would flash.

14 BY MR. ARONOWITZ;

15 Q That's the way it was supposed to work?

16 A Yes.

17 Q But it did not work that way?

18 A Yes. I think I'm -- only when you lost this  
19 little tiny data channel did the light flash. What Turro  
20 thought when he installed the system was that it would  
21 indicate failure of the entire system, and Turro was wrong.

22 What happens on the small channel --

23 JUDGE STEINBERG: Let's go off the record for a  
24 minute.

25 (Whereupon, a recess was taken.)

1 JUDGE STEINBERG: We're back on the record.

2 And, Mr. Aronowitz, if you want to continue.

3 BY MR. ARONOWITZ;

4 Q Mr. Turro, with respect to the equipment we have  
5 here as installed, the strobe light will do what? When you  
6 installed the strobe light, did it ever go off when there  
7 was no problem with the set up?

8 JUDGE STEINBERG: With the 56 kb circuit.

9 BY MR. ARONOWITZ;

10 Q Did the light ever go off when there was no  
11 problem with the 55 kb circuit?

12 A No.

13 Q I believe earlier you said yes, it did, and that  
14 was one of the reasons you got rid of it.

15 A What I said was --

16 Q Is that correct?

17 A I'll tell you what I said because I know exactly  
18 what I said.

19 Q Okay.

20 A I said when you lose this part of the circuit --

21 JUDGE STEINBERG: That's the data part of the  
22 circuit.

23 THE WITNESS: The data part of the circuit, the  
24 light would flash, and that happening didn't mean that you  
25 lost program audio. That's what I said.

1 BY MR. ARONOWITZ;

2 Q And that assumes that everything is working  
3 correctly; is that correct?

4 A Yes.

5 Q Okay. But you said the strobe light didn't work  
6 correctly.

7 A Oh, oh, okay. Here's what -- what I was saying  
8 was this. When I installed the strobe light, I thought that  
9 it indicated a massive failure of the system. I was wrong.  
10 It only indicated this data channel going back, the small  
11 one, the data one; not the program one. And apparently that  
12 is a common problem with these units.

13 So Turro thought, oh, this meant we're off the  
14 air, that we log program. It was wrong. It was an  
15 incorrect indication because of this small circuit crashing  
16 sporadically and randomly, and often.

17 JUDGE STEINBERG: Okay, and by "this small  
18 circuit," you meant the data circuit?

19 THE WITNESS: The remote control data to WJUX,  
20 yes.

21 JUDGE STEINBERG: Okay. Now, to the extent that  
22 your testimony earlier today was different, do you stand by  
23 the testimony you just gave?

24 THE WITNESS: Yes.

25 JUDGE STEINBERG: And that if the testimony was

1 different earlier, then it was wrong earlier?

2 THE WITNESS: Yes.

3 JUDGE STEINBERG: But this is the --

4 THE WITNESS: This is it.

5 JUDGE STEINBERG: This is the way the system  
6 worked --

7 THE WITNESS: Yes.

8 JUDGE STEINBERG: -- as installed?

9 THE WITNESS: Yes.

10 BY MR. ARONOWITZ;

11 Q I don't mean to belabor this, all right. I don't  
12 have an understanding. I don't have an understanding.

13 You said eventually you disconnected the strobe  
14 because it wasn't working properly.

15 A There was random -- it would flash incorrectly.

16 Q Randomly?

17 A Randomly.

18 Q So it could flash and there would be no problem  
19 with this set up?

20 JUDGE STEINBERG: When you say "this set up,"  
21 you're talking about the 56 kb circuit.

22 MR. ARONOWITZ: The set up on Chart 1.

23 BY MR. ARONOWITZ;

24 Q There could be no problem in the audio circuit --

25 A Audio circuit.

1 Q -- audio remote control circuit --

2 JUDGE STEINBERG: No, Mr. Turro is shaking his  
3 head no. Let me see if I can summarize, and I think the  
4 source of Mr. Aronowitz's confusion is you're not separating  
5 the audio part of the circuit from the data part of the  
6 circuit.

7 It would flash, is this correct, only when there  
8 was a problem in the data part of the circuit?

9 THE WITNESS: Yes.

10 JUDGE STEINBERG: And it would -- and that's the  
11 only circumstance under which it would flash?

12 THE WITNESS: Yes.

13 JUDGE STEINBERG: So if that light flashed, there  
14 was a problem in the data circuit?

15 THE WITNESS: Yes.

16 JUDGE STEINBERG: If the light did not flash,  
17 there was no problem in the data circuit?

18 THE WITNESS: Yes.

19 JUDGE STEINBERG: The light had nothing -- the  
20 light had no function -- it did nothing to indicate that  
21 anything -- let me start again.

22 The light had nothing to do with anything going on  
23 over the audio part of the circuit?

24 THE WITNESS: Correct.

25 BY MR. ARONOWITZ;



1           Q     So when you say that it went off randomly, what do  
2     you mean?

3                 JUDGE STEINBERG: Well, I think he just explained  
4     it.

5                 MR. ARONOWITZ: I don't -- I mean, randomly. I  
6     mean, it --

7                 THE WITNESS: Randomly this circuit would crash.

8                 JUDGE STEINBERG: The data circuit.

9                 THE WITNESS: The green one. The remote control  
10    data to WJUX, this small little piece, not this.

11                MR. ARONOWITZ: Okay.

12                THE WITNESS: The small little piece would lose  
13    its ability to generate, pass data back and forth, and it  
14    would cause the light to flash.

15                JUDGE STEINBERG: And it would -- okay, when Mr.  
16    Turro said "not this," he was pointing to the audio part of  
17    the circuit.

18                So basically, what the testimony is -- correct me  
19    if I'm wrong -- is problems arose in the data circuit  
20    randomly; is that right?

21                THE WITNESS: Yes, sir.

22                JUDGE STEINBERG: And that caused the light to  
23    flash.

24                MR. ARONOWITZ: Thank you, Your Honor.

25                JUDGE STEINBERG: Correct?

1 THE WITNESS: Yes, sir.

2 JUDGE STEINBERG: Okay. Are you straightened out  
3 now?

4 MR. ARONOWITZ: I believe I am.

5 JUDGE STEINBERG: Okay.

6 MR. ARONOWITZ: I believe I am. We have been  
7 tossing too many words around.

8 JUDGE STEINBERG: Well, however many words it  
9 take, it takes.

10 Mr. Helmick, did you --

11 MR. HELMICK: No, I just wanted to clarify your  
12 statement, Your Honor, that if the light goes off, the  
13 question I have of Mr. Turro, if the light goes off in  
14 Dumont, it indicates that there is a problem with the data  
15 circuit, but it could indicate that there is a problem in  
16 the audio circuit as well when both the audio and data are  
17 cut.

18 JUDGE STEINBERG: Right, and I think that -- is  
19 that correct?

20 THE WITNESS: Yes.

21 JUDGE STEINBERG: Okay, Mr. Riley?

22 MR. RILEY: I do have a question, Your Honor.

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## RECROSS-EXAMINATION

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BY MR. RILEY:

Q Mr. Turro, you described two occasions, one on July 6, '95, and one sometime later, I think you said 10 to 12 months, but I'm not sure of that, where there was a phenomenon you described as dead carrier in which audio programming wasn't reaching WJUX FM from Dumont, but the WJUX FM transmitter continued to generate a carrier that didn't have audio modulation on it.

Do you recall that testimony?

A Yes, I do.

Q Your testimony seemed to indicate that for the duration of those two events WJUX did not resume programming. Is that what you meant to say?

A No. On the second event George Spicka was phoned, I believe, by Mr. Blabey, to go to the WJUX studio and run WJUX music from the WJUX main studio.

Q Okay.

A And it may have been as little as six months. It wasn't long after this.

JUDGE STEINBERG: Okay, it wasn't long after the July '95 incident?

THE WITNESS: No, it may have been as short as six months. I don't recall the exactly time.

MR. RILEY: That's the only question I had, Your

1 Honor.

2 JUDGE STEINBERG: Okay, let's take a recess, and  
3 set up -- and we will set up the next set up and we will go  
4 back on the record when that's ready to be -- when we are  
5 ready to do the next set up.

6 So we will go off the record.

7 (Whereupon, a recess was taken.)

8 JUDGE STEINBERG: Let's go back on the record,  
9 please. Okay, we are on the record, and what we have done  
10 is we have set up a different configuration, and why doesn't  
11 Mr. Naftalin go through that with the witness.

12 DIRECT EXAMINATION

13 BY MR. NAFTALIN:

14 Q Okay,

15 MR. NAFTALIN: Okay, Mr. Turro, similarly, as we  
16 did for the previous arrangement of equipment to demonstrate  
17 the functions for the Monticello transmitter, is it true  
18 have you now rearranged the equipment and their functions to  
19 make a demonstration of how the Dumont studio was able to  
20 control the Fort Lee translator?

21 A Yes.

22 Q Okay. You still have the same two pieces of TC-8  
23 remote control?

24 A That is correct.

25 Q And you still have the same -- what was this

1 called, the top unit?

2 A Interface.

3 Q You still have the same interface?

4 A Yes.

5 Q You have, however, changed the red light?

6 A Yes.

7 Q Okay, let's walk through it very quickly.

8 The TC-8 unit which remained labeled as "In  
9 Dumont," does that represent the TC-8 unit residing in the  
10 Dumont studio used to control the Fort Lee translator?

11 A Yes.

12 Q Okay.

13 JUDGE STEINBERG: Yes, but that would be a second  
14 TC-8 unit --

15 THE WITNESS: Separate.

16 JUDGE STEINBERG: -- at Dumont studio. Separate  
17 from the one we were talking about earlier?

18 THE WITNESS: Yes.

19 BY MR. NAFTALIN:

20 Q So while that, while the unit now labeled "In  
21 Dumont" is the same model of unit that you use to control  
22 Monticello, correct?

23 A I'm sorry? It's the same -- go ahead.

24 Q You had identical models of TC-8 unit to control  
25 Fort Lee and to control Monticello?

1           A     Yes.

2           Q     Okay. We are now looking at the TC-8 unit labeled  
3 "In Dumont" represents the TC-8 unit that would control the  
4 Fort Lee translator?

5           A     Yes.

6           Q     Okay, now, it would have -- it would show  
7 different indications through its status lights one through  
8 eight?

9           A     Yes.

10          Q     Different from the Monticello transmitter is what  
11 I mean.

12          A     Most definitely.

13          Q     Okay. And the channels that you would scroll  
14 through and use for the TC-8 unit connected to the Fort Lee  
15 translator would also be different than what you would see  
16 for channels for the Monticello unit?

17          A     Yes.

18          Q     Okay. Similarly, the piece of the TC-8 system  
19 which would have resided at the Fort Lee translator would  
20 also have had different functions from the unit that would  
21 have resided at the Monticello transmitter?

22          A     Yes.

23          Q     Okay. Please tell us, here next to them you have  
24 taken away the cigarette box sized black unit with a red  
25 light and you have replaced it with just a single red light

1 without the black box, which is resting on a book so it's a  
2 little more visible. And underneath it you have a sign that  
3 says, "Loss of data on the microwave - WMG499."

4 Would you explain what this new red light is  
5 supposed to do?

6 A The red light will indicate when the Fort Lee TC-8  
7 remote control unit has lost data from Dumont.

8 Q Okay.

9 MR. NAFTALIN: Your Honor, with your permission --

10 MR. ARONOWITZ: Excuse me.

11 MR. NAFTALIN: Sure.

12 MR. ARONOWITZ: When you say "loss of data from  
13 Dumont," do you mean link 56 kb line?

14 THE WITNESS: I'm going to get to that.

15 MR. ARONOWITZ: Or some combination?

16 MR. NAFTALIN: I think Mr. Turro is -- Mr. Turro  
17 is going to get to this.

18 MR. ARONOWITZ: Okay.

19 JUDGE STEINBERG: Yes, this is totally different.

20 MR. NAFTALIN: We have a completely different  
21 arrangement.

22 MR. ARONOWITZ: All right.

23 BY MR. NAFTALIN:

24 Q Mr. Turro, there is a different arrangement for  
25 the transmission of -- okay, let's first of all talk about

1 the period of time, let's be careful about this, the period  
2 of time from late October of 1994 up until the microwave  
3 station, WMG49, was deactivated.

4 Was that approximately early July of 1995?

5 A I believe so.

6 Q Give or take a few days one way or the other?

7 A Yes.

8 Q Okay. We are now looking at a configuration of  
9 TC-8 units and the red light. The demonstration you have  
10 here would represent the way remote control of the Fort Lee  
11 translator was accomplished from Dumont from late October  
12 1994 up until deactivation of the microwave station?

13 A Correct.

14 Q Okay. And during that period of time is it  
15 correct that you were using the microwave path to carry the  
16 data, the telemetry, between the two pieces of the TC-8  
17 units?

18 A Yes.

19 MR. NAFTALIN: Your Honor, with that in mind, may  
20 Mr. Turro proceed to his chart and give a general  
21 description of the arrangement before he goes to the  
22 equipment itself?

23 JUDGE STEINBERG: Yes.

24 MR. NAFTALIN: Okay.

25 THE WITNESS: Okay.



1 BY MR. NAFTALIN:

2 Q Mr. Turro, you have personally drawn what is  
3 labeled Chart No. 2; is that correct?

4 A Yes, sir.

5 Q Okay.

6 JUDGE STEINBERG: Let me just mark -- Chart No. 2  
7 will be marked for identification, and it's a one-page  
8 chart, as Turro Exhibit No. 34.

9 (The document referred to was  
10 marked for identification as  
11 Turro Exhibit No. 34.)

12 JUDGE STEINBERG: And, again, after it's been --  
13 assuming it's received -- well, even if it's not received,  
14 everybody needs copies of it. But you can withdraw it and  
15 make your little copy of it, and then get it to everybody.

16 MR. NAFTALIN: Thank you, Your Honor. We will  
17 follow the same procedure we discussed before.

18 JUDGE STEINBERG: Right.

19 THE WITNESS: Okay, there was a microwave  
20 transmitter located in Dumont, New Jersey, which had audio  
21 paths to it from the WJUX console -- I'm sorry -- from the  
22 Jukebox Radio network console. And also attached to the  
23 microwave unit was a TC-8 remote control unit.

24 The TC-8 remote control unit generated data,  
25 similar to the same data that went to Monticello. It

1 generated data. This data was inserted or multiplexed into  
2 the Scala miniflector.

3 Now, this antenna has been referred to in this  
4 proceeding as a 10-foot dish. It was never ever a 10-foot  
5 dish used with the microwave.

6 BY MR. NAFTALIN:

7 Q Mr. Turro, who referred to it in that way?

8 A Mr. Gaghan did.

9 Q Okay.

10 A There was never ever at any point in time a 10-  
11 foot dish used to microwave signal to Fort Lee, or as Mr.  
12 Gaghan said, Monticello, New York, ever. And I don't like  
13 to say the word "impossible," but it is impossible to  
14 microwave from Dumont to Monticello.

15 Q So what was the size of the microwave antenna that  
16 was actually used?

17 A It really doesn't look like a microwave antenna.  
18 It's basically a little grid, and it's approximately 18  
19 inches by approximately three feet.

20 Q Okay.

21 A Approximately.

22 That was mounted on the building next door to the  
23 Jukebox Radio network, and it pointed at Fort Lee, and it  
24 sent information to Fort Lee. it sent two pieces of  
25 information to Fort Lee via two different channels. A big

1 channel, similar to a 12-lane highway, approximately eight  
2 lanes long to send audio, and then half a lane to send data  
3 to Fort Lee.

4 This data was received on the microwave unit and  
5 was put -- and was relayed to the TC-8 remote control

6 Q You say it was received on the microwave unit.  
7 Where was it received?

8 A I'm sorry. The microwave receiver in Fort Lee was  
9 on top of the building in Fort Lee. it received the  
10 microwave signal, and took the data path and brought it down  
11 to the TC-8 remote control.

12 Q What happened to the audio path?

13 A The audio path went to a dummy load. It just  
14 didn't -- entered anywhere but just -- it went into space.

15 Q Okay.

16 A It didn't do anything.

17 So this data path was used to connect these two  
18 TC-8 remote controls together with each other.

19 And as I understand, and even Mr. LaFollette  
20 mentioned it in his testimony, this is a common use of ICRs  
21 or microwave units. This is common use.

22 Q What do you mean by ICR?

23 A Intercity relays.

24 Q Okay.

25 A Mr. LaFollette agreed that this is common use and

1 it's used for this all the time.

2 Okay, I take my respon -- okay, so these two TC-8s  
3 are talking via this data link we have here, okay? And you  
4 can do all sorts of things. Switch audio inputs, switch  
5 transmitters. Never ever have you been able to take meter  
6 reading to determine the power output of Fort Lee. Never  
7 ever have you been able to raise and lower the power of the  
8 transmitters in Fort Lee ever using this or any other system  
9 that I installed.

10 Q And by "raise and lower," you mean adjust?

11 A Exactly. You can't adjust the power on something  
12 you can't read. If you can't read power output, how can you  
13 adjust power and raise and lower power. It can't be done.

14 So these TC-8s were used to control main  
15 transmitter, auxiliary transmitter. The translator at Fort  
16 Lee we have talked over a period of time how unique it is.  
17 It was the first translator in the country to have auxiliary  
18 antenna system license to it. That's how unique it was.

19 And when Mr. Hurst submitted application to the  
20 FCC for an auxiliary transmitter for the -- I'm sorry --  
21 antenna, they didn't know how to process it because ne one,  
22 it's probably the only one like that in the country. So I  
23 am just trying to give you an idea of how unique this  
24 facility really is.

25 So these TC-8s are -- this TC-8 is communicating

1 with this TC-8 via this intercity relay, microwave STL.

2 Q When you say "this TC-8 is communicating with this  
3 TC-8," could you use words for the Court?

4 A I apologize.

5 The Dumont TC-8 communicated with the TC-8 remote  
6 control in Fort Lee via this data path.

7 Q And by "this data path," you are referring to?

8 A The lines in blue.

9 Q The data path on the microwave?

10 A Correct.

11 Q Okay.

12 A I've lived in Bergen County all my life. I take  
13 my responsibility to the community very seriously. In the  
14 even that there ever were an emergency or failure of the  
15 remote control unit where the buttons stick on it, to this  
16 day they still do, and you couldn't make a switch to put  
17 Fort Lee on the microwave unit, and there was an emergency,  
18 that would be a bad thing.

19 One day I'm sitting around at home. I said, "Oh,  
20 I have a great idea." The TC-8 remote control in Fort Lee  
21 has an alarm closure that if it loses telemetry, it closes a  
22 switch, and you can do whatever you want with that switch.  
23 So I said, "Oh, I have an idea. I'm going to hook that up  
24 that if I ever lose data on this microwave that it will  
25 force the unit to roll back onto itself for audio."

1 Q Could you explain what you mean by "roll back"?

2 A In other words, if I were to take a -- if I were  
3 to cut this data path right here on the microwave, if I were  
4 to cut this path, it would tell the transmitter -- the  
5 translator in Fort Lee to go to the microwave audio as a  
6 fail-safe in the event of an emergency.

7 But did I ever have to use it? No. Did I think I  
8 would ever have to use it? I hope not. And that's  
9 basically what it did.

10 What I can do for you is demonstrate what would  
11 happen if that data path were interrupted or taken away.

12 Q Okay, before you get that far, which is a --  
13 that's great, are there questions?

14 MR. ARONOWITZ: Oh, not yet. I've got questions.  
15 I just don't know that this is the time.

16 JUDGE STEINBERG: On Chart 2, you've got at the  
17 bottom of it in red two diagrams that say "18 feet by 36  
18 feet gird." Have we not gone to that yet?

19 THE WITNESS: Actually, I apologize, Your Honor.  
20 It should be 18 inch by 36 inch grid.

21 JUDGE STEINBERG: Okay. 18 inch by 36 inch grid.  
22 I was looking at -- one of them was labeled inches; the  
23 other one was labeled feet.

24 THE WITNESS: I apologize.

25 JUDGE STEINBERG: And I was looking at the wrong

1 one.

2 Have we gotten to that yet? If you are going to  
3 cover that later, then I will be quiet. If not, then let's  
4 explain what they are.

5 THE WITNESS: Okay. There is a reason I tried to  
6 show that. These are very small units. I labeled them to  
7 make it clear to everyone in this room that it was not a 10-  
8 foot dish or 12-foot dish, as Mr. Gaghan has testified; that  
9 it never has been a 10-foot dish. That dish that's there  
10 could never be used for transmission purposes period, which  
11 I why I brought this in and showed it to Your Honor.

12 BY MR. NAFTALIN:

13 Q Mr. Turro, the things you have labeled as 18 inch  
14 by 36 inch grid on Chart No. 2, and you have two of them  
15 facing each other, do those represent the antennas that  
16 carry the microwave?

17 A Yes, and they are represented here on the top  
18 also.

19 Q I see. Okay. So you duplicated them in red?

20 A Yes.

21 Q Okay, thank you.

22 A Okay. So if someone were to come along and say,  
23 "Hey, listen, I'm going to jam this microwave unit," what's  
24 the first thing they are going to strip away? What's the  
25 weakest component of this system?

1           It's the data path. It takes a half-lane highway.  
2       So if someone comes along and starts jamming this, the first  
3       thing they are going to do is strip away the data, and the  
4       first thing the translator in Fort Lee is going to do is  
5       fall back on its own audio, the microwave.

6           Q     And why is the data path, as you say, the weakest  
7       part?

8           A     Well, because you've got eight lanes of audio, so  
9       it's a little more robust, and you've got a half lane of  
10      data, so it's not as robust. So if someone started jamming  
11      the thing and started turning the power up real slowly, the  
12      first thing it would interrupt would be the data.

13          Q     Meaning because it's a much narrower path?

14          A     Yes, and it's fragile and it's on the edge of the  
15      microwave. It's on the last highway way out.

16                JUDGE STEINBERG: Why don't you explain what you  
17      mean by "fall back upon itself."

18                THE WITNESS: Okay. Basically, if you lose data,  
19      you are translating to Pomona, Your Honor, and it's picking  
20      up Pomona. It's doing its thing. it's doing fine. And  
21      someone comes along and takes away this data path, however  
22      they do it, jamming it, for instance, they take away the  
23      data pack, the unit there is programmed in Fort Lee, Your  
24      Honor, to take in the microwave audio.

25                And the reason this was done was in case there was



1 a failure here.

2 JUDGE STEINBERG: Failure in Dumont?

3 THE WITNESS: In Dumont, and I couldn't switch it  
4 and there was an emergency, pull the plug out of the remote  
5 control. Send it to failure, stop generating the data, go  
6 to microwave audio.

7 JUDGE STEINBERG: I'm not sure that that's clear  
8 to me.

9 THE WITNESS: Okay.

10 MR. NAFTALIN: Let me try this again.

11 BY MR. NAFTALIN:

12 Q Mr. Turro, let's say there is some kind of  
13 disaster has struck the area.

14 A Yes.

15 Q And you rush -- and lines are cut and for whatever  
16 reason you feel it necessary to get emergency messages over  
17 the air from the Fort Lee translator.

18 A And the remote control unit is not working.

19 Q Let me -- stick with me for a minute, okay?

20 Exactly, and you go to your on-air studio to  
21 provide vital information of some kind.

22 A Yes.

23 Q And you find that the control unit, some spilled  
24 coffee on it or whatever, the buttons are stuck and you  
25 can't switch over to the microwave because of some stupid